

Storing Digital Data in Synthetic DNA

As Moore's law slows down and mainstream storage media approach their limits, DNA offers an attractive alternative for data storage. DNA is an attractive storage medium due to its density, potential durability, and eternal relevance. The field of digital data storage in synthetic DNA has been gaining momentum over the last 5 years. This talk will cover current and future demand for digital data storage, how this demand can be addressed by end-to-end systems that support DNA digital data storage, and what the challenges are to realizing such systems. In particular, it will highlight differences in constraints and standard practice of DNA synthesis, manipulation, and sequencing for life sciences versus digital data storage.